## CENTRAL INTELLIGENCE AGENCY

## INFORMATION REPORT

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SECRET SECURITY INFORMATION

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THE SOURCE EVALUATIONS IN THIS REPORT ARE DEFINITIVE.

THE APPRAISAL OF CONTENT IS TENTATIVE.

(FOR KEY SEE REVERSE)

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SOURCE:

1. The Soviets adopted a new system for designating radio tubes early in 1952.

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2.

- a sketch / see sketch on page 3 / which illustrates the symbol or descriptive designation that appeared on the tubes and includes a detailed explanation of the characters. This symbol or designation usually consisted of five characters in units or blocks. The first of these was numerical, the second and third alphabetic, the fourth numerical, and the fifth alphabetic. The second unit of the designation was usually omitted on tubes allocated for civilian use. From this I assume that tubes having the second unit of designation were intended for military use. I do not believe many Soviet civilians knew of the second unit -- no blank space for that symbol appeared on the tubes used by civilians. The meanings of the units are:
  - a. The first unit designated the filament voltage of the tube.
  - b. The second unit, when it appeared, designated the power characteristics of the tube.
  - c. The third designated the type of tube.

d. The fourth was a number for the type of tube.
that experimental tubes were given numbers upward from 17.
Therefore, the numbers of the tubes issued for military use would not run consecutively.

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- e. The fifth unit indicated the size and shape, as well as the material, of which the tube was made.
- Another sketch / see sketch on page 4/ illustrates the descriptive designations of the American RCA tube and the corresponding old Russian and new Russian designations. in 1948 only the American type tube designations were known and being used. These same designations were later translated into both the old

Russian designations and into the new system presently in use.

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explained the characteristics of the Soviet commercial radio receiver tubes. It was published in the USSR before the new Soviet designation system was completed -- probably in 1949 -- and no reference was made to the new system. This particular publication was not obtainable on the open market because of its limited distribution. However, I believe it is presently used exclusively by the military and has been ammended to include new radio tube designations.

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105 (5-30 105 (5-30 150 (5-30 5 4 4 5 4 4 	679 <b>(</b> 6 × 4 5 *)
105 (5-30 150 (5-30 	6x6 or 6x6( ? ? - 6x5 6H11 6 \tau 7 6\times 4 (6\times 145*) 6\tau 9 (6\times 45*)
5 4 4 5 4 4 5 4 4 - - - 6 AC7 a OSW 2190	6x6 or 6x6( ? ? - 6x5 6H11 6 \tau 7 6\times 4 (6\times 145*) 6\tau 9 (6\times 45*)
5 4 4 5 4 4	? - 6X5 6H11 6 Th 7 6X4 (6X145*) 6T19 (6X145*)
5 U 4 - - - 6 AC7 a OSW 2190	? - 6X5 6H11 6 Th 7 6X4 (6X145*) 6T19 (6X145*)
5 U 4 - - - 6 AC7 a OSW 2190	6H11 6 П.7 6Ж4 (6Ж14Б*) 6П9 (6Ж4Б*)
	6H11 6 П.7 6Ж4 (6Ж14Б*) 6П9 (6Ж4Б*)
	6H11 6 П.7 6Ж4 (6Ж14Б*) 6П9 (6Ж4Б*)
	6П7 6Ж4 (6Ж14Б*) 6П9 (6Ж4Б*)
	6П7 6Ж4 (6Ж14Б*) 6П9 (6Ж4Б*)
	679 (6×45*)
- 6 H 9 M	
6 H 9 M	11101
	6H9(
6 H 8 M	6H8(
6A <b>Ж</b> 5	6×37 (6×5H)
_	6K155?
N 50	?
_	673
646-GT	646(
· · · · · · · · · · · · · · · · · · ·	6×8(6×175*)
6H15 (6H1A)	6H15N
<u> </u>	12×11
	6K3
	12K3
_	12Ж8
-	6A7
	6Ж3
hese Tubes found in N RCA Tube Manual (a	Julfinkel Tube Manuel eg. + the 65L7 4 6A57 are
-	6 H 8 M 6 A X 5 

RUSSIAN RADIO TUBE DESIGNATION SYSTEM

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